



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

7314
S127303
Doe

RBE105-14101W7
Job Sheet 185204



Part No: RBE105-14101W7

Job Qty: 5 ea

Part Name: Needle Bearings Drive Tool



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/24/18

Job Tracking No:

Due Date: 11/12/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG RBE105-14101W7 Rev.1 IPP Rev. A 18.10.19 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	5 Ea	11/12/18	11/12/18	0.00	0.00	Start Up Machining-2		FRED 18-11-13
110	Lathe Conv	5 pcs	11/12/18	11/12/18	0.00	5.00	Lathe Conv-2		FRED 18-11-13
120	QC	5 pcs	11/12/18	11/12/18	0.00	0.00	QC2 Machining-4		FRED 18-11-13
130	QC	5 pcs	11/12/18	11/12/18	0.00	0.00	QC8 Machining-4		M.A 18-11-13
150	Outsource	5 pcs	11/12/18	11/12/18	0.00	0.00	Outsource4		18-11-19
160	Packaging	5 pcs	11/12/18	11/12/18	0.00	0.00	Packaging2		NOV 30 2018
170	QC	5 pcs	11/12/18	11/12/18	0.00	0.00	QC6		38
180	Packaging	5 pcs	11/12/18	11/12/18	0.00	0.00	Packaging3-1		3-89
190	QC21-SA	5 Ea	11/12/18	11/12/18	0.00	0.00	QC21		

Part Op 110 - 1-Machine as per DWG. DWG REV: 2-Deburr
Descriptions: 150 - -Issue P/O to GROUPE ALTECH; PO 041768 -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2
CLASS 1, Water sealant -Material type; 6061T6 -Certificate of Conformity is required

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M6061T6R5.500	6061T6 Round Bar 5.500" Dia.	.7000 (.14 ea)	90-Start up Operation	S125169

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M6061T6R5.500	1	0	0

Part Specifications

it be found.

Plex 10/24/18 8:21 AM Dart.lajeunesse.marie



Part: RBE105-14101W7

Job No: 185204

Batch: S127303

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

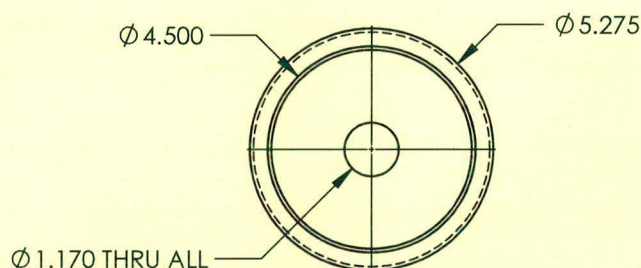
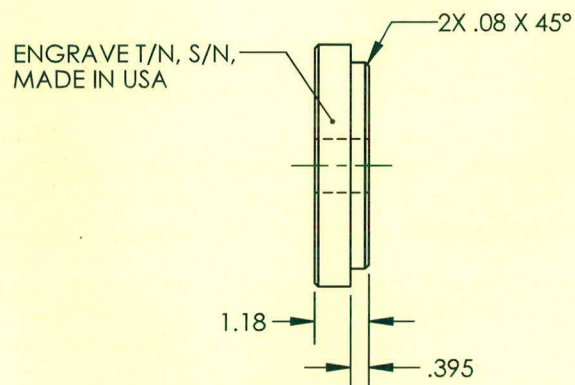
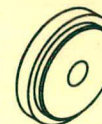
Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER :					

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REVISIONS				DATE	INITIAL	APPROVED
REV	ECR	DESCRIPTION				
1		RELEASED FOR PRODUCTION.			1/20/2016	RJC JAG

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RETURN TO
ENGINEERING
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SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 185204 185181024



NOTE:
REFERENCE EUROCOPTER T/N 105-14101W7.

DART AEROSPACE	
TITLE DRIVE TOOL FOR NEEDLE BEARING	
DWG NO. RBE105-14101W7	REV 1
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH CLEAR ANODIZE	.XX ± .01 ANGLES ± 5°
SPEC MIL-A-8625, TYPE II, CLASS I	.X ± .1 SURFACES = 125✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	EC145
SCALE 1:4	DATE 12/30/2015 SHEET 1 OF 1

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
				1	DRIVE TOOL	6061		



Dart Aerospace Ltd.
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Tel (613) 632-5200

PURCHASE ORDER **PO041768**

Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

PO No: PO041768
PO Date: 11/19/18
Due Date: 11/29/18
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pynt Terms: Net 60
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	185494	RBE117-80168-W1-3	Rod -Issue P/O to GROUPE ALTECH; PO -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Material type; 6061 -Certificate of Conformity is required	Firmed	-	11/29/18	5 pcs	0 pcs	5 pcs	\$5.25/pcs	\$26.25
2	185204	RBE105-14101W7	Needle Bearings Drive Tool -Issue P/O to GROUPE ALTECH; PO -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Material type; 6061T6 -Certificate of Conformity is required	Firmed	-	11/29/18	5 pcs	0 pcs	5 pcs	\$6.90/pcs	\$34.50

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PURCHASE ORDER **PO041768**

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	185249	RBE105-14181W5-5	Guide -Issue P/O to GROUPE ALTECH; PO -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Material type; 6061 -Certificate of Conformity is required	Firmed	-	11/29/18	5 pcs	0 pcs	5 pcs	\$1.65/pcs	\$8.25
4	185253	RBE105-14181W6-5	Guide Bushing -Issue P/O to GROUPE ALTECH; PO -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Material type; 6061 -Certificate of Conformity is required	Firmed	-	11/29/18	5 pcs	0 pcs	5 pcs	\$1.30/pcs	\$6.50
5	185243	RBE105-14181W2-3	Press -Issue P/O to GROUPE ALTECH; PO -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Material type; 6061 -Certificate of Conformity is required	Firmed	-	11/29/18	5 pcs	0 pcs	5 pcs	\$2.45/pcs	\$12.25
6	185250	RBE105-14181W5-7	Support -Issue P/O to GROUPE ALTECH; PO -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Material type; 6061 -Certificate of Conformity is required	Firmed	-	11/29/18	5 pcs	0 pcs	5 pcs	\$4.85/pcs	\$24.25



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PURCHASE ORDER
PO041768

Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
7	185254	RBE105-14181W6-7	Support -Issue P/O to GROUPE ALTECH; PO _____ -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Material type; 6061 -Certificate of Conformity is required	Firmed	-	11/29/18	5 pcs	0 pcs	5 pcs	\$3.85/pcs	\$19.25
										Grand Total:	\$131.25

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 11/26/18 2:42 PM dart.tsimiklis.chrisoula



Certificat de Conformité / Certificate of Compliance

(014598-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

014598- 1

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.					
30-Nov-2018		Jessie Boisvert		041768					
#Ligne Line#	No. de Série / # Pièce Part Number /Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir/ Back Order	
1	RBE117-80168-W1-3 Rev.	RBE117-80168-W1-3 01 -ANO-CLEAR [ANODIZE CLEAR] MIL-A-8625F TYPE 2 CLASS 1	ANODIZE CH	5	5	0	0	0	
2	RBE105-14101W7 Rev.	RBE105-14101W7 01 -ANO-CLEAR [ANODIZE CLEAR] MIL-A-8625F TYPE 2 CLASS 1	ANODIZE CH	5	5	0	0	0	
3	RBE105-14181W5-5 Rev.	RBE105-14181W5-5 01 -ANO-CLEAR [ANODIZE CLEAR] MIL-A-8625F TYPE 2 CLASS 1	ANODIZE CH	5	5	0	0	0	
4	RBE105-14181W6-5 Rev.	RBE105-14181W6-5 01 -ANO-CLEAR [ANODIZE CLEAR] MIL-A-8625F TYPE 2 CLASS 1	ANODIZE CH	5	5	0	0	0	
5	RBE105-14181W2-3 Rev.	RBE105-14181W2-3 01 -ANO-CLEAR [ANODIZE CLEAR] MIL-A-8625F TYPE 2 CLASS 1	ANODIZE CH	5	5	0	0	0	
6	RBE105-14181W5-7 Rev.	RBE105-14181W5-7 01 -ANO-CLEAR [ANODIZE CLEAR] MIL-A-8625F TYPE 2 CLASS 1	ANODIZE CH	5	5	0	0	0	
7	RBE105-14181W6-7 Rev.	RBE105-14181W6-7 01 -ANO-CLEAR [ANODIZE CLEAR] MIL-A-8625F TYPE 2 CLASS 1	ANODIZE CH	5	5	0	0	0	

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Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.

